

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for producing identification marks (5) in a layer-structured paper or board (7) to be manufactured as a continuous web, ~~characterized in that the marks (5) are made with a laser beam (4) on a moving web form fiber layer (1), on which a second layer of material (6) is overlaid in such a way that the marks remain inside the layer structure (7) of the moving web~~ comprising:

making the marks (5), which are darker than their surroundings, by burning a surface of a first moving web (1) of fibrous material with a laser beam (4); and

bringing a second web of material (6) as a second layer onto the first moving web so that the marks (5) are embedded within a layered web as manufactured, below the second layer of material.

2.-4. (Cancelled)

5. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the second web of material (6) is a moving web, and

after making the marks (5) marking phase, the first moving web fiber layer (1) is laid against the moving second web of material to form the layered web ~~another moving, web form fiber layer (6).~~

6. **(Currently amended)** A method according to claim 5, ~~characterized in that the marking takes place with a paper or board machine as~~ further comprising a step of drying the layered web after the first moving web (1) is laid against the second moving web (6), wherein

the first moving web fiber layer (1) contains moisture originating from pulp, in which case the web (7) is dried after the joining of the layers (1, 6).

7. **(Currently amended)** A method according to claim 6, ~~characterized in that~~ wherein the materials of the second moving web (6) is different from that of the first moving web (1) fiber layers (1, 6) to be joined differ from one another.

8. **(Currently amended)** A method according to claim 7, ~~characterized in that~~ wherein one of the first and second moving webs fiber layer to be joined is of chemical pulp, and the other of is mechanical or chemical/mechanical pulp.

9. **(Currently amended)** A method according to claim 7, ~~characterized in that~~ wherein one of the first and second moving webs the fiber layers to be joined is of unbleached pulp, and the other of is bleached pulp.

10. **(Currently amended)** A method according to claim 1, ~~characterized in that~~ wherein the marked moving web form fiber layer (1) is applied with a coating layer[[,]] for covering the marks (5).

11. (Withdrawn-**currently amended**) Layer-structured paper or board (7) containing identification marks that can be manufactured with a method according to claim 1, ~~characterized in that~~ wherein the web form paper or board (7) contains marks (5) made with a laser beam and these marks are embedded inside the layer-structure.

12. (Withdrawn-**currently amended**) A paper or board according to claim 11, ~~characterized in that~~ wherein the web is rolled around a drum or core.

13. (Withdrawn-**currently amended**) A layer-structured board (7) containing identification marks that can be manufactured with a method according to claim 1, ~~characterized in that~~ wherein the board contains marks (5) made with a laser beam, and the marks are embedded inside the structure formed by a series of fiber layers (6, 1, 8) of the board.

14. (Withdrawn-**currently amended**) Board according to claim 13, ~~characterized in that~~ wherein the marks are darker figures (5) on the surface of the fiber layer (1), made by the reaction induced with a laser beam.

15. (Withdrawn-**currently amended**) Board according to claim 13, ~~characterized in that~~ wherein the marks are hollows (5') cut with a laser beam on the fiber layer (1) and that these hollows are filled with a different type of material present in the next fiber layer (6).

16. (Withdrawn-**currently amended**) A board according to claim 14, ~~characterized in that~~
wherein one of the fiber layers is of chemical pulp and the other of mechanical or
chemical/mechanical pulp.

17. (Withdrawn-**currently amended**) A board according to claim 13, ~~characterized in that~~
wherein it is a fold-carton formed of sulfate and CTMP layers.